

24 MAR 1917

1. TITLE: Child World, Gary, Indiana. Balanced Load Plan.
2. TITLE: Gary Play Grounds used all day long and every day. Balanced Load Plan.

Panorama of Emerson School grounds showing playground equipment, tennis courts, and provisions for poultry, childrens' pets, in the background.

3. TITLE: A different group comes to the playgrounds every hour. Balanced Load Plan.

This picture shows children on merry-go-round, foot ball game, girls dancing on lawn, girls playing volley ball in front of Emerson School, and outdoor physical training with fifth grade boys and girls.

Grounds used every day of the year. Wading pool in summer. Skating and coasting in winter.

Shows Froebel School, skating, snow balling, and snow man on grounds of Emerson School.

Children use indoor playgrounds and

Emerson gymnasium showed march- basket ball game.

At all the hours are shown swimming, and plunge by the

Gary, population 60,000. 4 more under construction.

Shows three methods of life saving. One has the supposedly drowned person under his arm, another one with an arm around the neck, and the other with a twig from a tree in his teeth - the supposedly drowned person a hold of it. Shows also a plunge of a large group of boys.

8. TITLE: Entire family including 5 year old taught to swim in day and evening school.

Shows a family of five, including the mother and five year old kindergarten child, who have all learned to swim in the Emerson pool.

9. TITLE: Play time is not taken from study. It is taken from street time, by lengthening the school day. Why should other cities force their children to play on the street.

Girls in the Froebel swimming pool. Shows girls diving, racing, and a general plunge.

10. TITLE: Auditorium used in traditional school, 15 minutes daily. In Gary schools, 6 hours daily.

Panorama of Emerson auditorium with President and Secretary of the auditorium class on the stage.

11. TITLE: Illustrated talk by student.

Illustrated talk by student who is giving a lecture on the development of styles in hats.

12. TITLE: Wrestling on auditorium stage better than fight on street.

A pair of ten year old boys at Emerson School having a wrestling match as a part of the entertaining part of the program.

13. TITLE: Motion picture machine and stereoptican lantern practical for every school. BECAUSE - Auditorium is used all day long. Certain teachers give all their time to auditorium. One of these may be a licensed operator.

Picture book with door open shows instructor teaching boys how to operate the motion picture machine.

Children go to library in Gary all day long. No Peak

Children leaving and entering the library with an instructor supervising the class using the library.

Children stop on way to Emerson and afternoon for private instruction, churches, or use of the auditorium.

Children entering the church for religious instruction and a group of boys entering the Y.M.C.A. gymnasium and swimming pool.

Children are kept busy working, studying and playing in a wholesome environment and under wholesome supervision. Public child welfare agencies are in constant use supplementing the home.

## R E E L II

1. TITLE: The grade teacher and the school seats can not do for the child everything that should be done for him. Real musician and special studio for teaching music.

Orchestra practice with a special teacher at Emerson School.

2. TITLE: Children with score in hand following victrola music.

Children listening to victrola music.

3. TITLE: Listening to Caruso

Children listening to victrola music.

4. TITLE: Special art teacher and studio for drawing.

This picture shows a class in free-hand drawing, one in mechanical drawing, and one view with a group of



boys making blueprints.

5. TITLE: Children need departmental teachers and equipment for history and geography.

Shows an eighth grade class in history, and a fifth grade class reciting in geography.

6. TITLE: School grounds are botany laboratory.

Front view of the Froebel School showing pupils of the Botany class taking care of the shrubbery.

7. TITLE: Planting.

Pupils at work planting their garden at Froebel School.

8. TITLE: Cultivating.

Pupils of the botany class cultivating their garden at Froebel School.

Planting.

Harvesting and gathering seeds in the Froebel School garden.

Botany laboratory needs special teacher.

Botany laboratory at the Froebel school

Science made effective with

Properties of Lead, cutting, bending and hammering.

Chemistry laboratory with fifth grade boys studying chemical properties of lead.

14. TITLE: Chemical properties of Lead, oxidation, reduction.

Same pupils studying the chemical properties of lead. A piece of sheet lead is changed to lead oxide and then with a blow-pipe the lead is restored to its original state.

15. TITLE: Science is basis of modern industry. More time given to science than to shop work.

16. TITLE: Experimenting with oxygen. Older pupils as teacher's assistant.

This picture shows a high school boy acting as teachers assistant, and with fifth grade girls are conducting an experiment with oxygen.

17. TITLE: Children investigating ventilation of their own room. Direction by special science teacher.

18. TITLE: Computing volume of incoming air.

A group of boys computing the volume of the air coming into the room.

19. TITLE: Computing volume of outgoing air.

The same group of boys computing the volume of air going out of the room.

20. TITLE: Data secured furnish material for practical arithmetic.

21. TITLE: Determining humidity of air in room.

With the necessary instruments the pupils are determining the amount of moisture in the air of the same room.

22. TITLE: Primary manual training requires special teacher and special room.

2nd grade pupils doing special hand work in the special manual training room for primary children.

23. TITLE: Special nature study teacher and laboratory provided for primary classes.

2nd grade pupils with their nature study teacher caring for plants in their conservatory.

Study excursion.

Group of primary children with their special nature teacher on an excursion to the woods. They find plants which the teacher explains to them.

Feeding their Bantams.

Emerson School feeding a pet in their especial care.

Caring care of their pets. Special

A group of primary children with the Emerson Zoology teacher taking care of the pets belonging to the children of the Emerson School.

27. TITLE: Children take pets to class room for formal lesson.

A group of children taking pets from this same room to the regular class room for formal lessons.

28. TITLE: Elementary science promotes health, happiness and general intelligence.

### R E E L    III

1. TITLE: Gary substitute for street and alley.

2. TITLE: School pottery shaping and firing clay.

Froebel School pottery showing pupils and instructor shaping clay and also placing it in the kiln to be fired.

3. TITLE: School horse gets new shoes in school shop.

Show school horse being unhitched from the old wagon and led into the black smith shop. Inside the black



smith shop the horse receives his new shoes with the help of the pupils who are having a splendid opportunity to observe the process and to become familiar with the horse which they dearly love.

4. TITLE: Power hammer.

This picture shows a boy using a power hammer, several boys at the forges, while other boys are cutting stock on the power shear.

5. TITLE: Gas engine and automobile repair.

A group of high school boys repairing automobiles and gas engines.

6. TITLE: Applied electricity.

A class of boys in physics working at the switch board and with motors.

7. TITLE: Sewing.

A class of girls at Emerson School sewing while in the foreground a little girl is working with a doll dress which she has just finished.

Do not teach the boys to sew?

A group of boys in the same room operating sewing

machines and supplies from store room.

A group of boys in the same room showing pupils supplies.

School printing shops do all school printing.

The Emerson print shop showing a panoramic view with the various lines of work in this shop.

11. TITLE: School day is lengthened. Time for play and work is taken from street time and not from 5 hour school day.

12. TITLE: Sand table and sand pits - Fine for little children.

This picture shows a group of kindergarten children working at a sand table.

13. TITLE: But after 4 years sand table play children have more fun moulding in a real foundry where work is productive.

This picture shows various operations in the foundry - moulding, pouring, and checking out castings.

14. TITLE: Play impulse transformed into a work impulse. Productive activities substituted for non-productive activities.

15. TITLE: Shops furnish first hand experiences for girls as well as boys. Girls in foundry.

Picture shows a group of girls moulding in the Emerson foundry.

16. TITLE: The Gary school child has a life enriched with a great variety of first hand experiences BECAUSE he has 7 or 8 hours in school instead of five.

17. TITLE: Plumbing classes do all school plumbing.

Picture shows a 7th grade boy wiping a lead joint. Other pupils working with plumbing fixtures and a group of boys repairing the drinking fountain outside the building.

18. TITLE: Work with school engineer.

Picture shows Jefferson Engine room where pupils are assisting the school engineer in taking care of and operating the heating plant.

19. TITLE: Manual Training.

Shows pupils at work in the Jefferson manual training shop.

20. TITLE: Children repairing and making shoes for themselves and other school children.

Picture shows a general view of the Froebel school shop and a little girl calling for her shoes which have been repaired by one of the boys.

Picture shows high school students.

Picture shows at Emerson School

Picture shows always open to adults as well

This picture shows a group of adults resting on the shady side of Froebel School. Mother and infant on the front lawn and a group of small children assisting the ground man in watering the trees and shrubbery.

23. TITLE: Children enjoy their pets on the school grounds.

A detailed picture showing animal life on the Emerson school grounds. Children are feeding raccoons.

24. TITLE: Is this not better than playing in the street?

Children feeding foxes, prairie dogs and ducks.

25. TITLE: Animal life on school grounds makes child world attractive.

26. TITLE: How can Gary afford all these special facilities and special teachers? BECAUSE Gary uses balanced Load Plan instead of peak load plan.



R E E L IV.

1. TITLE: What is Balanced Load Plan? Under the balanced load plan one-half of the children work and play while the other half study and recite in the class room.
2. TITLE: Good class rooms and seats with regular class room teacher for arithmetic, reading, writing and spelling.

Picture shows an 8th grade class in English, and a 5th grade class in arithmetic.

3. TITLE: More time for reading, writing, spelling and arithmetic than in peak load school. Every child has a school seat all the time he can use it, but children are not strapped to school seats all day long.

Shows a 5th grade class in arithmetic, and a 5th grade class in language.

4. TITLE: When they have used regular class room and seats as long as they can use them profitably these classes go to the special activities and other classes come from special activities to class rooms.

A class in English at Emerson School followed by a class leaving the room.

Corridor during class change.

Corridor at Emerson School during

5. TITLE: Shows the respective rooms. Every class has a room of the same grade. The teacher goes to one teacher to two classes, thus only one teacher is needed in any class rooms as classes are needed.

Other pupils returning to the class room and having lesson in reading and arithmetic.

7. TITLE: The class room is the most expensive unit of school plant. Saving half of class rooms makes possible fine special facilities without increased cost to taxpayers.
8. TITLE: Daily program of alternating work, study and play shown by double picture.

- |   |   |
|---|---|
| 9. TITLE: Regular class work on this side | TITLE: Special Activities on this side  |
| 1/2 of school in class rooms - 2 hours    | 1/2 of school in special work - 2 hours |

This picture shows class room work on one side of the picture and on the opposite side sewing, printing, physics and botany.

- |   |  |
|---|--|
| 10. TITLE: In school seats long enough. This 1/2 of school now exchanges places with class in special activities. | TITLE: This 1/2 of school now goes to class rooms for 2 hours. |
|---|--|

(Corridor change picture)

Corridor change showed by class room work on one side of the picture, and chemistry, zoology and luncheon on the other side.

11. TITLE: This 1/2 has had 2 hours special, 2 hours regular. They now leave the class room for 2 hours luncheon and special work. TITLE: This 1/2 has had 2 hours regular, 2 hours special and luncheon. They now go back to class room for 2 hours.

Class room work on one side of the picture, with luncheon, free-hand drawing and mechanical drawing on the opposite side.

12. TITLE: This 1/2 has had 4 hours regular, 2 hours special and luncheon, and now goes back to special work 2 hours. TITLE: This 1/2 has had 4 hours special and luncheon, 2 hours regular, now goes back to class room 2 hours.

Corridor change followed by class room work on one side and with manual training, cooking and play on the opposite side.

13. 15 P.M. Regular class work over for the day. Children go home or remain for shops and laboratory, or use playground, gymnasium and swimming pool until 5:30 P.M.

hours of regular special, 2 hours elective and in addition, after school

14. No lock step in Gary Schools.

16. John is in an 8th grade class in percentage from 8:15 - 10:15. He is not doing good work because he does not know how to use common and decimal fractions.

This picture shows John doing poor work. He is called to the teacher and receives a note to the Principal requesting a transfer to another class.

17. TITLE: When John's class goes to special work at 10:15, John is transferred to 6th grade class in other half for study of common and decimal fractions. He is not demoted but given extra time in a subject that needs it.

This picture shows John in the Principal's office and being received in the other class where he is to have special work.

18. TITLE: School should meet the individual needs of all children physical, mental and normal.

19. TITLE: Examination by school physician.

This picture shows pupils at Froebel School being examined by the school doctor and her assistant.



20. TITLE: Dental Clinic in school.

This picture shows the pupils at Froebel School having their teeth examined by dentist.

21. TITLE: Testing child's hearing.

A view of the school doctor's office at Emerson School where a child is having his hearing tested. He is turned over to the nurse who accompanies him home for consultation with the parent.

22. TITLE: Spinal curvature referred by physician to physical training department for corrective gymnastics.

The Doctor's office at Emerson School where a child with spinal curvature is given over to the physical training director for special attention.

23. TITLE: Undernourished case needing rest and corrective gymnastics.

This picture shows an undernourished pupil who has under the Doctor's suggestion been given a special school program suited to her physical condition.

24. TITLE: Some pupils are excused from regular work and spend all day in play, physical training and special activities. In a few weeks they are strong and go back to regular work.

Gary school physicians give entire time to school. No outside practice.

Each child is a concrete individual - not a theoretical one. Each child should be held in the same way, same place, and same school. Individual needs of child are met by balanced load school.

R E E L V.

1. TITLE: Productive shop work.

2. TITLE: You can not teach a child to swim without water. How can you teach a child to work without real work to do? Children in Gary school make their own school equipment.

3. TITLE: One of the 40 desks constructed in the shops for Froebel School.

This picture shows in use one of the desks constructed by pupils of the Gary Schools.

4. TITLE: Desk planned in drawing room.

This picture shows a view of the Emerson drawing room and the working plans of the school desk.

5. TITLE: At work on desk in the cabinet shop.

This picture shows a general view of the Froebel cabinet shop with pupils in the foreground working on the school desk.

6. TITLE: Desk finished in paint shop and delivered to class room.

This picture shows the desk being finished in the paint shop and delivered to one of the class rooms.

7. TITLE: Sheet metal shop making flower boxes for nature study room.

This picture shows the complete process in the making of an under-drainage flower box. The boxes are then delivered to the primary nature study teacher and they are shown being filled with flowers.

8. TITLE: Adjustable stool designed in school by students to meet their own need. Made in school by students for their own use.

This picture shows an adjustable stool made in Emerson School. The view is intended to show the 4 adjustments of the stool and it is used for various sized pupils and for microscopic work.

9. TITLE: Plan in drawing room.

This view shows the plans as made in the Emerson drawing room.

10. TITLE: Pattern made in pattern shop.

This picture shows patterns of the adjustable stool being made in the Emerson pattern shop.

Adjustable stool in Foundry.

Sand for the adjustable stool.

13.

The instructor and one pupil lining the spout of the cupola.

14. TITLE: Charge cupola with coke and iron.

This picture shows the instructor with the pupils putting iron and coke into the cupola.

15. TITLE: Pouring the melted iron.

This picture shows the foundry instructor with the assistance of the forge shop instructor pouring melted metal in the moulds while pupils are assisting and observing.

16. TITLE: Shaking castings out of the sand.

After the iron has cooled the pupils shake the castings out of the sand.

17. TITLE: Machine shop practice.

18. TITLE: Drill Press.

The pedestal to the stool is machined on the drill press.



19. TITLE: Milling machine.

This picture shows a boy with the stool pedestal on the milling machine.

20. TITLE: Lathe operation.

Shows various lathe operations and inspection by the instructor.

21. TITLE: Domestic science classes provide cafeteria service for teachers and pupils.

This picture shows pupils preparing luncheon. The picture also shows cafeteria service and dining room.

22. TITLE: Children help keep school plant in order.

This picture shows pupils working on the switch board at Frobel school. Inside painting by the painting class and outside painting at the same building.

Repair work and construction work of school utilized only as it will serve educational needs of

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